

## ABSTRACT

A process for conveniently and industrially producing an optically active  $\alpha$ -methyleysteine derivative, which is  
5 useful as an intermediate of medicines and the like, from an inexpensive and readily available material is provided.

The present invention relates to a process for producing a racemic or optically active  $\alpha$ -methyleysteine derivative including a step of hydrolyzing a racemic or  
10 optically active N-carbamyl- $\alpha$ -methyleysteine derivative by treating with decarbamylase, and a process for producing an optically active  $\alpha$ -methyleysteine derivative and an optically active N-carbamyl- $\alpha$ -methyleysteine derivative having a configuration opposite to that of the compound including a  
15 step of stereoselectively hydrolyzing a racemic N-carbamyl- $\alpha$ -methyleysteine derivative by treating with decarbamylase.